

USDA, Forest Service

PLAN OF OPERATIONS  
FOR MINING ACTIVITIES  
ON NATIONAL FOREST LANDS

JAN 18 1994

Submitted by F Neil Smith C. O. O. 12-28-93  
Signature Title Date  
L. Love & W. Koon acting mine 12-28-93  
manager

Plan Received by \_\_\_\_\_  
Signature Title Date

I. GENERAL INFORMATION

- A. Name of Mine/Project Deer Trail
- B. Type of Operation Load Exploration, Development, and Production.  
(lode, placer, mill, exploration, development, production, other)
- C. Is this a (new/continuing) operation? (CIRCLE ONE)  
If continuing a previous operation, this plan (replaces/modifies) a previous plan of operation. (CIRCLE ONE)
- D. Proposed start-up date of operation May 15, 1994
- E. Proposed duration of operations See Attached Explanation
- F. Proposed seasonal reclamation close-out See Attached Explanation
- G. Expected date for completion of all reclamation Within 24 Mo. of final cessation of  
mining, weather permitting.

II. PRINCIPALS

- A. Name, address and phone number of operator Ecology Mining Co.  
6985 Union Park Center, Suite 545  
Midvale, Utah 84047  
Tel: (801) 568-0800
- B. Name, address, and phone number of authorized field representative (if other than the operator). Attach authorization to act on behalf of operator.  
Field representative is unknown at this time. You will be notified  
2 weeks before startup who will be the on ground representative.
- C. List the owners of the claims (if other than the operator)  
Deer Trails Corporation

- D. List name and address of other lessees, assigns, agents, etc. Briefly describe their involvement with the operation, if applicable:

Unico (Joint Venture Partner) Deer Trail Development Corp. (Lessor)  
Ray Brown  
P.O. Box 777 12900 Preston Rd. Suite 1112 LB6  
Magalia, Ca 95954 Dallas, Tx 75230

### III. PROPERTY OR AREA

Name of claim, if applicable, and the legal land description where the operation will be conducted.

MC #	Name	Section	Township	Range
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See Exhibits

### IV. DESCRIPTION OF THE OPERATION

- A. Access. Show on a map (USGS quadrangle map or a National Forest map, for example) the claim boundaries, if applicable, and all access-needs such as roads and trails, on and off the claim. Specify which Forest Service roads will be used, where maintenance or reconstruction is proposed, and where new construction is necessary. For new construction, include construction specifications such as widths, grades, etc., location and size of culverts, describe maintenance plans, and the type and sizes of vehicles and equipment that will use the access routes.

Access will be on main highway to county road and to the pre-existing Forest Service road (#) to the Deer Trail patented property, to the area of the pre-existing buildings, and to possible exploration sites. All roads will be maintained pursuant to the 228 regulations under the best management practices of the operator. (see attached map of access route attachment #1)

- B. Map, Sketch or Drawing. Show location and layout of the area of operation. Identify any streams, creeks or springs if known. Show the size and kind of all surface disturbances such as trenches, pits, settling ponds, stream channels and run-off diversions, waste dumps, drill pads, timber disposal or clearance, etc. Include sizes, capacities, acreage, amounts, locations, materials involved, etc.

Majority of work will be on patented property. use of the road to this site and to the area where the pre-existing old buildings are located. Buildings have prior existing rights. Exploration may be required in the future to establish ore reserves and feasibility. See attachment #2. (map, sketch or drawing, show location of layout of operation)

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

- C. **Project Description.** Describe all aspects of the operation: how clearing will be accomplished, topsoil stockpiled, waste rock placement, tailings disposal, etc. Calculate production rates and total volumes of waste rock and ore. Include justification and calculations for settling pond capacities and, the size of runoff diversion channels.

**1. For first 12 months:**

Mining will be done in 5 acre increments on private land with reclamation being done concurrently. All initial work will be done on the patented land. We will mine one zone after the other until all private land has been mined and reclaimed. We may begin testing the Federal land to determine consistency of values and feasibility. Additionally we may expand this plan to include mining the Federal land. Depending on variable conditions this project should be completed in 5 to 15 years or when the operator has determined that mining has been completed.

**2. For total life of project:**

Mining will be done in 5 acre increments on private land with reclamation being done concurrently. All initial work will be done on the patented land. We will mine one zone after the other until all private land has been mined and reclaimed. We may begin testing the Federal land to determine consistency of values and feasibility. Additionally we may expand this plan to include mining the Federal land. Depending on variable conditions this project should be completed in 5 to 15 years or when the operator has determined that mining has been completed.

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

- D. **Equipment and Vehicles.** Describe that which is proposed for use in your operation (Examples: drill, dozer, wash plant, mill, etc.). Include: sizes, capacity, frequency of use, etc.

The following equipment is proposed at this time, but may vary as needed or deleted: cats, front end loaders, backhoe, service truck, graders, mine trucks, crawler tractors, fuel trucks, and various other maintenance equipment.

- E. **Structures.** Include information about fixed or portable structures or facilities planned for the operation. Show their locations on the map. Include such things as living quarters, storage sheds, mill buildings, thickener tanks, fuel storage, powder magazines, pipe lines, water diversions, trailer, sanitation facilities including sewage disposal, etc. Include justification and calculations for sizing of tanks, pipelines and water diversions.

Structures are pre-existing and do to the age of said structures they are not included in this plan. A portable fuel tank may be added to the structure compound.

## V. ENVIRONMENTAL PROTECTION MEASURES (SEE 36 CFR 228.8)

- A. **Air Quality.** Describe measures proposed to minimize impacts on air quality such as obtaining a burning permit for slash disposal or dust abatement on roads.

The travel on the road will be incidental and should not require dust abatement, but will be addressed on an as needed basis. Any slash will be used for natural screening for sediment control along roadways and there will be no slash burning or any other activity which should affect air quality.

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

B. **Water Quality.** State how applicable state and federal water quality standards will be met. Describe what measures or management practices will be used to minimize water quality impacts and meet applicable standards.

1. State whether water is to be used in the operation, and if so, how. If water is used in the operation (processing ore, washing ore, solution make-up, etc.) state how the water will be stored, treated and disposed of. If ponds of any type are proposed, such as for storage or settling, state how they will be designed and built. Provide storage capacities. State how ponds will be maintained on an annual basis.
2. Describe methods to control erosion and surface water runoff from all disturbed areas, including waste and tailings dumps.
3. Describe proposed surface water and ground water quality monitoring, if required, to demonstrate compliance with federal or state water quality standards.
4. Describe the measures to be used to minimize potential water quality impacts during seasonal closures, or for a temporary cessation of operations.
5. If land application is proposed for waste water disposal, the location and operation of the land application system must be described. Also describe how vegetation, soil, and surface and groundwater quality will be protected if land application is used.

~~Since we will not be operating in the area of running water there will be no adverse effect. To protect roadways and work areas from sediment production and erosion the operator will maintain an active best management practices program. The topography is diverse, site specific B.M.P.'s may vary to protect water quality and erosion. Examples of possible B.M.P.'s may include water bars, silt fences, and Etc. A pipeline for water across Federal land may be required to operate the processing plant on private property unless a private well is drilled. If excess water exists it may be used to sprinkle reclaimed surfaces that have been replanted or reseeded in order to ensure a good rootbase. (See attached map #3)~~

C. **Solid Wastes.** State whether the proposed operations will produce tailings, dumpage, or other waste, and if so, what types of waste and their estimated quantities. State how tailings, dumpage, or other waste produced by operations will be disposed of or treated so as to minimize adverse impacts upon the environment and forest surface resources.

~~Since most proposed actions will primarily occur on private property waste should be of little consequence. However, all trash will be hauled on a regular basis.~~

D. **Scenic Values.** State how scenic values will be protected (such as screening, slash disposal, timely reclamation, etc.).

~~Operations location is geographically isolated so screening will not be used, elevating the problem of introducing foreign plants. Reclamation will become an ongoing project concurrent with mining as soon as site specific areas are available to begin reclamation.~~

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

- E. **Fish and Wildlife.** Describe practicable measures to maintain and protect fisheries and wildlife, and their habitat (includes threatened, endangered, and sensitive species) affected by the operations.

Since there is little to no running water, no stream alterations are proposed, and there will be minimal surface disturbance we should have no effect on fish and wildlife.

- F. **Cultural Resources.** Describe measures for protecting known historic and archeological values.

The Forest Service will have done a cultural survey on the property and we have reviewed the property and know of no cultural resources. However, if such a thing does arise we would certainly assist the Forest Service in inventory of such resources.

- G. **Hazardous Substances.**

1. List all substances including cyanide by name and quantity, which you intend to use or generate during the proposed operation.

Other than equipment maintenance products there will be no hazardous substances used on the property. All lubricants, spent oil, and etc. will be removed for proper disposal. Fuel will be contained in a portable fuel trailer (pup) that will be drop shipped on site and will be kept in the equipment service area and fuel trucks. All other lubricants, oil and hydraulic fluids will be kept in shop storage area or service trucks. In case of ground spill we will use absorbent pads and remove any soil that is contaminated. Proper authorities will be notified.

2. Describe generation, handling, storage, disposal, security (fencing), identification (signing/labeling), or other special operations requirements for substances necessary to conduct the proposed operation.

(If more space is needed to fill out a block of information, use additional sheets and attach to form.)

3. Describe the measures that will be taken if a release of a reportable quantity of a hazardous does occur.

H. **Close-out Reclamation.** Describe such items as: (1) the removal of structures and facilities including bridges and culverts, (2) new construction prior to reclamation, (3) a revegetation plan, (4) permanent containment of mine tailings, waste, or sludges which pose a threat of a release into the environment, (5) closing ponds associated with the operations and eliminating any standing water, (6) a final surface shaping plan, and (7) post operations monitoring and maintenance plan.

Reclamation is an ongoing effort and all areas that are disturbed will  
be reclaimed at the close of that portion of the operation, except for  
areas left open for the reason of discovery and to expose ore zones.  
We will contour, replace topsoil (if any), seed, mulch and  
fertilize. Native seeds will be used. Pre-disturbed areas will be  
monitored for stability when reasonable.

## VI. FOREST SERVICE EVALUATION OF PLAN OF OPERATIONS

A. **Recommended Changes/Modifications for Plan of Operations:** \_\_\_\_\_

- B. **Bond** - As a further guarantee of faithful performance with the terms and conditions listed below, and with the reclamation requirements agreed upon in the plan of operations, the operator delivers herewith and agrees to maintain at least one of the following forms of financial guarantee:
1. Negotiable Treasury bills and notes which are unconditionally guaranteed as to both principle and interest in an amount equal at their par value to the penal sum of the bond; or
  2. Certified or cashier's check, bank draft, Post Office money order, cash, assigned certificate of deposit, assigned savings account, blanket bond, or an irrevocable letter of credit equal to the penal sum of the bond in the sum of \_\_\_\_\_ (\$\_\_\_\_\_).

The bond amount may be adjusted during the term of this approved plan of operations in response to changes in the operation. The bond calculation worksheet is attached.

#### **TERMS AND CONDITIONS**

- A. It is understood that this plan of operations has been approved for a period of \_\_\_\_\_ or until \_\_\_\_\_. A new or revised plan must be submitted in accordance with 36 CFR Part 228, Subpart A if operations are to be continued.
- B. It is understood that approval of this plan of operations does not constitute: (1) certification of ownership to any person named herein; and (2) recognition of the validity of any mining claim named herein.
- C. It is understood that approval of this plan of operations does not constitute: (1) certification of ownership to any person named herein; and (2) recognition of the validity of any mining claim named herein.
- D. It is understood that a bond equivalent to the actual cost of performing the agreed upon mitigation and reclamation measures may be required before this plan can be approved.
- E. It is understood that approval of this plan does not relieve me of my responsibility to comply with any other applicable state or federal laws, rules or regulations.
- F. It is understood that information provided with this plan marked confidential will be treated in accordance with the agency's laws, rules and regulations.
- G. It is understood that if previously undiscovered cultural resources (historic or prehistoric objects, artifacts, or sites) are exposed as a result of operations, those operations will not proceed until notification is received from the Authorized Officer that provisions for mitigating unforeseen impacts as required by 36 CFR 228.4(e) and 36 CFR 800 have been complied with.

I/We have reviewed and agree to comply with all conditions in this plan of operations, including the recommended changes and reclamation requirements. I/We understand that the bond will not be released until the Authorized Officer in charge gives written approval of the reclamation work.

\_\_\_\_\_  
Operator (or Authorized Representative) (Date)

OPERATING PLAN:

\_\_\_\_\_  
(Name)

F. Neil Smith

(Authorized Officer)

*James W. Koon*

\_\_\_\_\_  
(Title)

12-28-93

(Date)

*12-28-93*

Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, Room 404-W, Washington, D.C. 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB #0596-0022), Washington, D.C. 20503.

SUBMITTED BY ECOLOGY MINING, P. NEIL SMITH Agent  
(name) by Lionel V. Koon

PLAN RECEIVED BY \_\_\_\_\_  
name title date

1. GENERAL INFORMATION

A. Name of mine project is Deer Trail.

B. Operation is load exploration, development, and production.

C. This is a continuing operation that replaces a previous plan of operations.

D. Proposed start up date is May 15, 1994.

E. Duration of the operation is unknown, it will depend on consistent values, established reserves, gold and silver prices, marketability of other materials, weather and any other unforeseen actions. The operators estimated duration is 5 to 15 years.

F. Concurrent reclamation and the operators best management practices will minimize end of season reclamation but any needed reclamation would begin as soon as mining has been completed. However, a year around mining program may be instituted with parallel reclamation.

G. Expected date for completion of all reclamation is within 24 months from the final cessation of mining, weather permitting.

11. PRINCIPALS

A. (name, address, and phone number of operator)

B. Field representative is unknown at this time. You will be notified 2 weeks before startup who will be the on the ground representatives.

C. Owners of the claims is Deer Trails Corporation. (list any other owners)

D. (list names & addresses of any lessees, assigns, agents, etc. and briefly describe their involvement.)

111. PROPERTY OR AREA

A. Mc# Name Section Township Range  
(all claims)

### 111. DESCRIPTION OF THE OPERATION

A. Access will be on main highway to county road and to the pre-existing forest service road (#) to the Deer Trail patented property, to the area of the pre-existing buildings, and to possible exploration sites. All roads will be maintained pursuant to the 228 regulations under the best management practices of the operator. (see attached map of access route attachment #1)

B. Majority of work will be on patented property, use of the road to this site and to the area where the pre-existing old buildings are located. Buildings have prior existing rights. - ? Exploration may ~~be may be~~ required in the future to establish ore reserves and feasibility. See attachment #2. (map, sketch or drawing, show location of layout of operation)

C. Mining will be done in 5 acre increments on private land with reclamation being done concurrently. All initial work will be done on the patented land. We will mine one zone after the other until all private land has been mined and reclaimed. We may begin testing the federal land to determine consistency of values and feasibility. Additionally we may expand this plan to include mining the federal land. Depending on variable conditions this project should be completed in 5 to 15 years or when the operator has determined that mining has been completed.

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E. Structures are pre-existing and do to the age of said structures they are not included in this plan. A portable fuel tank may be added to the structure compound.

### V. ENVIRONMENTAL PROTECTION MEASURES

A. Air quality: The travel on the road will be incidental and should not require dust abatement, but will be addressed on an as needed basis. Any slash will be used for natural screening for sediment control along roadways and there will be no slash burning or any other activity which should affect air quality.

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possible B.M.P.'s may include water bars, silt fences, and etc.

A pipeline for water across federal land may be required to operate the processing plant on private property unless a private well is drilled. If excess water exits it may be used to sprinkle reclaimed surfaces that have been replanted or reseeded in order to ensure a good rootbase. (attach a map of the proposed pipeline attachment #3)

C. Solid Waste: Since most proposed actions will primarily occur on private property waste should be of little consequence. However, all trash will be hauled on a regular basis.

D. Scenic Values: Operations location is geographically isolated so screening will not be used, elevating the problem of introducing foreign plants. Reclamation will become an ongoing project concurrent with mining as soon as site specific areas are available to begin reclamation.

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F. The Forest Service will have done a cultural survey on the property and we have reviewed the property and know of no cultural resources. However, if such a thing does arise we would certainly assist the Forest Service in inventory of such resources.

G. Other than equipment maintenance products there will be no hazardous substances used on the property. All lubricants, spent oil, and etc. will be removed for proper disposal.

Fuel will be contained in a portable fuel trailer (pup) that will be drop shipped on site and will be kept in the equipment service area and fuel trucks. All other lubricants, oil and hydraulic fluids will be kept in shop storage area or service trucks.

In case of ground spill we will use absorbent pads and remove any soil that is contaminated. Proper authorities will be notified.

H. Reclamation is an ongoing effort and all areas that are disturbed will be reclaimed at the close of that portion of the operation, except for areas left open for the reason of discovery and to expose ore zones. We will contour, replace topsoil (if any), seed, mulch and fertilize. Native seeds will be used.

Pre-disturbed areas ~~will be~~ will be monitored for stability when reasonable.

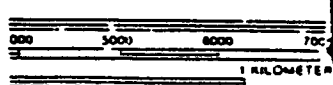
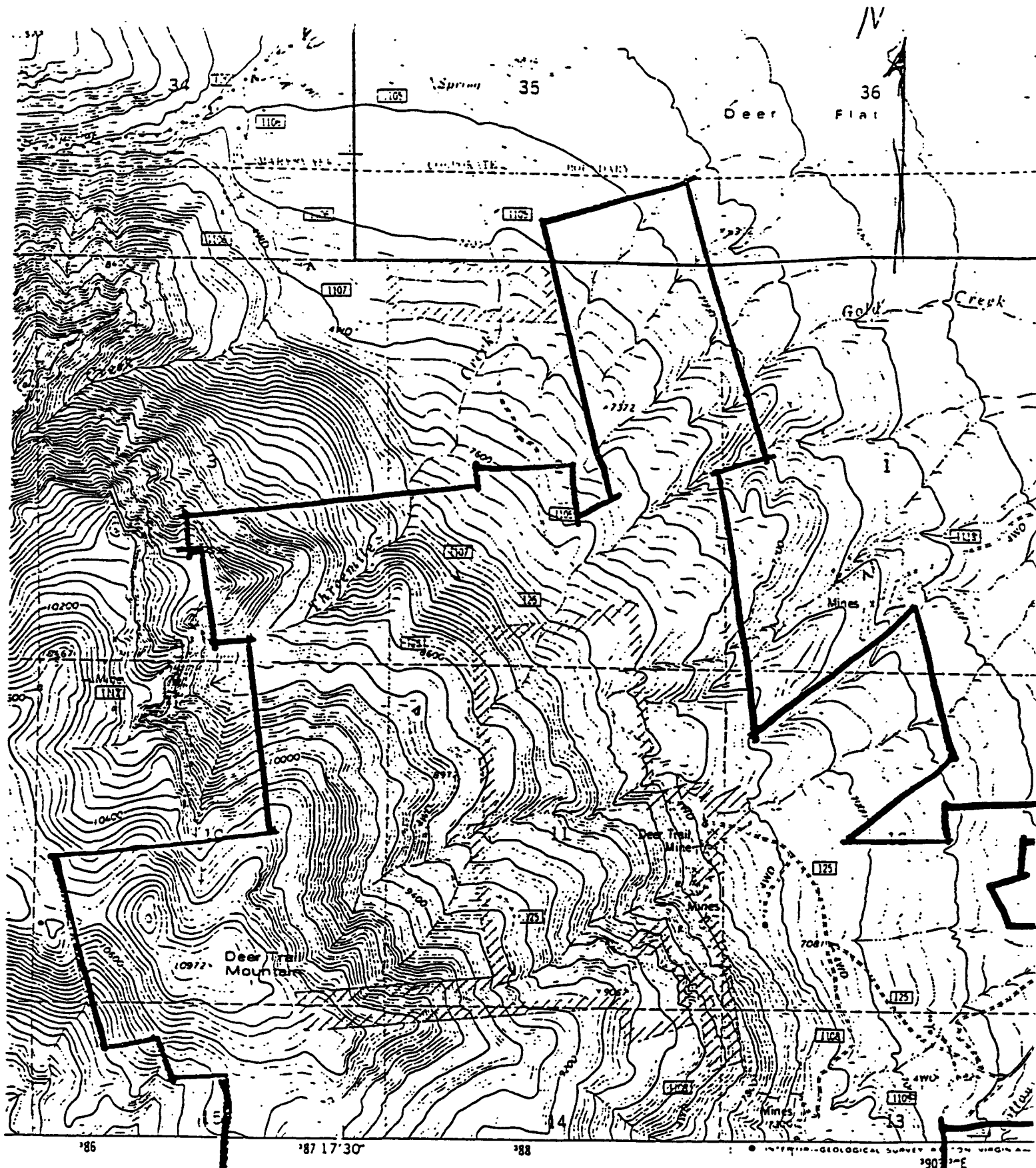
Buildings are pre-existing and will be maintained during the life of this plan or until mining is completed.

All equipment and incidentals will be removed within 24 months of the completion of mining, weather permitting.

Respectfully submitted,

*F. Neil Smith*  
*J. L. Koon*  
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(name) , agent  
Ecology Mining  
(address)



10 FEET  
 ANTI OF 1000

7 Highway

dary Highway

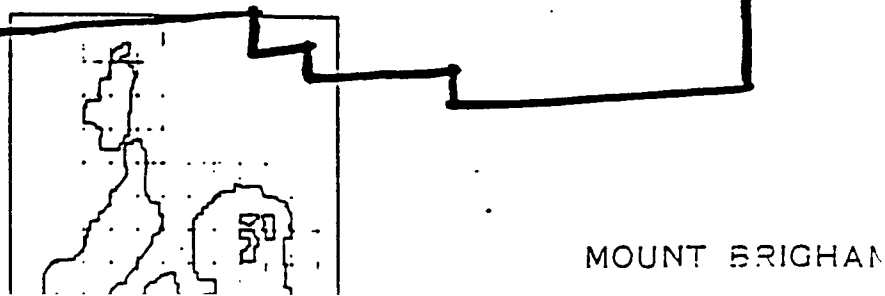
and Road



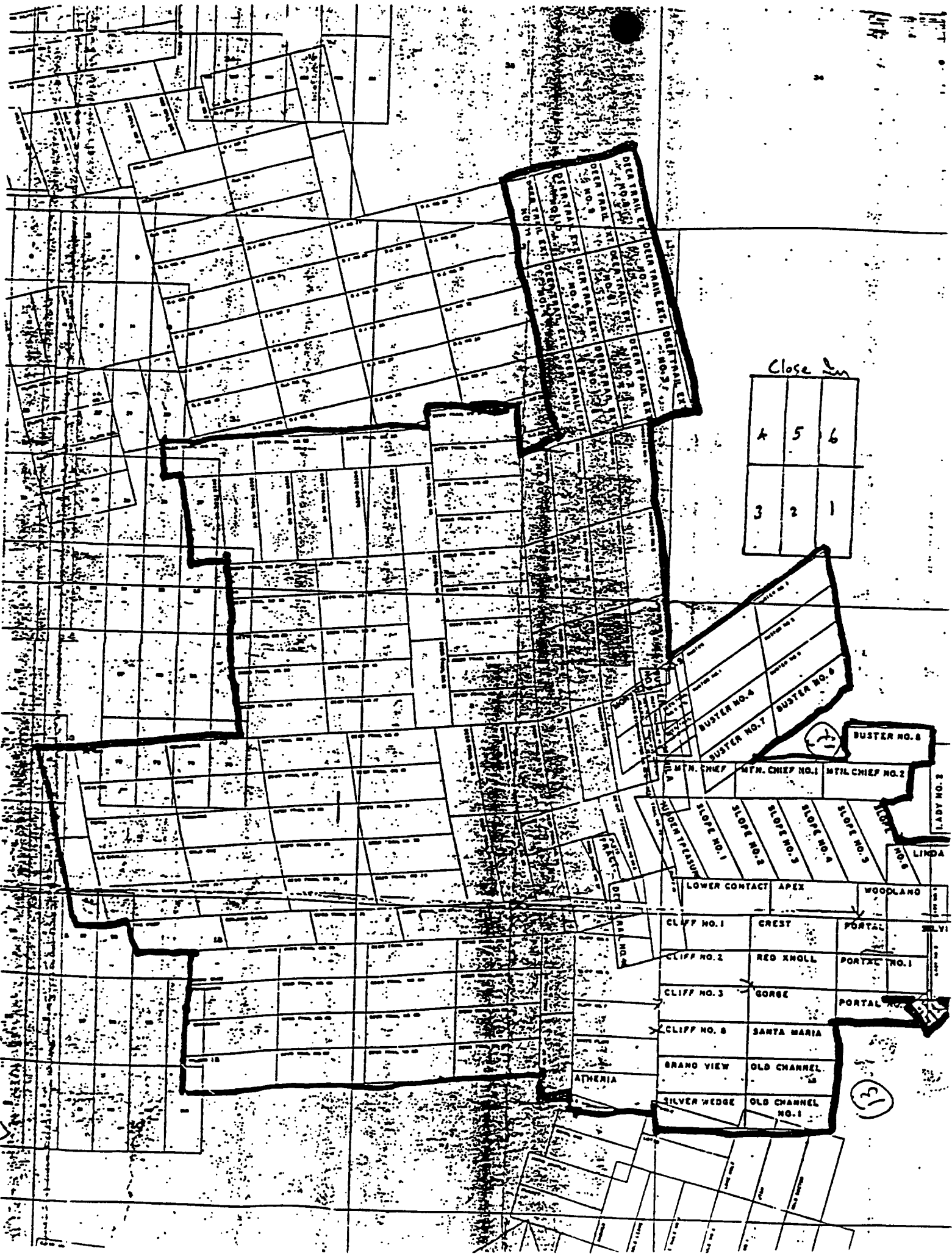
Interstate Highway



U.S. Highway



MOUNT BRIGHAM



Close

4	5	6
3	2	1

BUSTER NO. 8

MTN. CHIEF MTN. CHIEF NO. 1 MTN. CHIEF NO. 2

SLOPE NO. 1 SLOPE NO. 2 SLOPE NO. 3 SLOPE NO. 4 SLOPE NO. 5 SLOPE NO. 6 SLOPE NO. 7 SLOPE NO. 8 SLOPE NO. 9 SLOPE NO. 10 SLOPE NO. 11 SLOPE NO. 12 SLOPE NO. 13 SLOPE NO. 14 SLOPE NO. 15 SLOPE NO. 16 SLOPE NO. 17 SLOPE NO. 18 SLOPE NO. 19 SLOPE NO. 20 SLOPE NO. 21 SLOPE NO. 22 SLOPE NO. 23 SLOPE NO. 24 SLOPE NO. 25 SLOPE NO. 26 SLOPE NO. 27 SLOPE NO. 28 SLOPE NO. 29 SLOPE NO. 30 SLOPE NO. 31 SLOPE NO. 32 SLOPE NO. 33 SLOPE NO. 34 SLOPE NO. 35 SLOPE NO. 36 SLOPE NO. 37 SLOPE NO. 38 SLOPE NO. 39 SLOPE NO. 40 SLOPE NO. 41 SLOPE NO. 42 SLOPE NO. 43 SLOPE NO. 44 SLOPE NO. 45 SLOPE NO. 46 SLOPE NO. 47 SLOPE NO. 48 SLOPE NO. 49 SLOPE NO. 50 SLOPE NO. 51 SLOPE NO. 52 SLOPE NO. 53 SLOPE NO. 54 SLOPE NO. 55 SLOPE NO. 56 SLOPE NO. 57 SLOPE NO. 58 SLOPE NO. 59 SLOPE NO. 60 SLOPE NO. 61 SLOPE NO. 62 SLOPE NO. 63 SLOPE NO. 64 SLOPE NO. 65 SLOPE NO. 66 SLOPE NO. 67 SLOPE NO. 68 SLOPE NO. 69 SLOPE NO. 70 SLOPE NO. 71 SLOPE NO. 72 SLOPE NO. 73 SLOPE NO. 74 SLOPE NO. 75 SLOPE NO. 76 SLOPE NO. 77 SLOPE NO. 78 SLOPE NO. 79 SLOPE NO. 80 SLOPE NO. 81 SLOPE NO. 82 SLOPE NO. 83 SLOPE NO. 84 SLOPE NO. 85 SLOPE NO. 86 SLOPE NO. 87 SLOPE NO. 88 SLOPE NO. 89 SLOPE NO. 90 SLOPE NO. 91 SLOPE NO. 92 SLOPE NO. 93 SLOPE NO. 94 SLOPE NO. 95 SLOPE NO. 96 SLOPE NO. 97 SLOPE NO. 98 SLOPE NO. 99 SLOPE NO. 100

LOWER CONTACT APEX WOODLAND

CLIFF NO. 1 CREST PORTAL

CLIFF NO. 2 RED KNOLL PORTAL NO. 1

CLIFF NO. 3 GORGE PORTAL NO. 2

CLIFF NO. 4 SANTA MARIA

CLIFF NO. 5 GRAND VIEW OLD CHANNEL

CLIFF NO. 6 SILVER WEDGE OLD CHANNEL NO. 1

13

UNPATENTED MINING CLAIMS - DEER TRAIL DEVELOPMENT CORP.

<u>Name</u>	<u>Book</u>	<u>Page</u>	<u>BLM Serial No.</u>
Apex Lode	D	78	UMC 95578
Athenia	D	423	" 95580
Buster No. 1-3	G	460-461	" 95586-95588
Buster No. 4-9	M	129-133	" 95689-95594
Caledonia Lode	D	588	" 95596
Cinnabar Lode	D	684	" 95599
Cliff No. 1-8 Lode	D	371-374	" 95600-95607
Columbine Lode	D	586	" 95608
Crest Lode	D	452	" 95610
Deer Trail No. 11	A	135	" 95612
Deer Trail No. 12-19	A	142-145	" 95613-95620
Deer Trail No. 21-29	24	114-120	" 95621-95629
Deer Trail No. 31	L	599	" 95630
Deer Trail No. 32	24	122-123	" 95631
Deer Trail No. 39-42	B	99-101	" 95632-95635
Deer Trail No. 43-45	B	245-247	" 95636-95638
Deer Trail No. 46-47	B	245-246	" 95639-95640
Deer Trail No. 48	B	270	" 95641
Deer Trail No. 49-54	B	322-324	" 95642-95647
Deer Trail No. 55-71	G	227-237	" 95648-95664
Deer Trail No. 72	G	447	" 95665
Deer Trail Extension	C	250	" 95666
Deer Trail Extension 1-11	C	250-254	" 95667-95677
Falcon Lode	D	584	" 95682
Fire Fly Lode	D	584	" 95682
Golden Eagle Lode	D	563	" 95693
Gorge Lode	D	453	" 95697
Grand View Lode	D	423	" 95698
Jonquil Lode	D	587	" 95705
Kiester	D	586	" 95706
La Cigale	D	587	" 95707
Linda Place Mining Claim	N	125	" 95709
Lower Contact	D	450	" 95714
Monster #3-9	B	123-126	" 95719-95725
Mountain Chief Amended	D	589	" 95726
Mountain Chief 1-2	M	128-129	" 95727-95728
Old Channel Lode	M	81	" 95747
Old Channel Lode #1	M	81	" 95748
Pluto Fraction	N	273	" 95741
Porcupine Lode	D	588	" 95742
Pyrite Lode	D	585	" 95729
Portal Lode	D	453	" 95749
Portal Lode 1-2	M	82-83	" 95750-95751
Red Knoll Lode	D	453	" 95731
Santa Maria	D	464	" 95735
Snow Shoe Lode	D	583	" 95760
Sylvia Placer Mining Claim	N	126	" 95763

6-4-92

*[Handwritten signature]*

Silver Wedge	D	422	"	95737
Slope No. 1-3 Lode	D	450-451	"	95754
Slope No. 4	M	83	"	95755
Slope No. 5-6	M	127	"	95756-95757
Tamarac Lode	D	585	"	95764
The Reef Lode	D	588	"	95732
Topaz Lode	D	587	"	95768
Tomahawk Lode	D	583	"	95767
Victory Lode	D	586	"	95771
White Flint Lode	D	423	"	95776
Wild Cat Lode	D	585	"	95768
Woodland Lode	D	451	"	95769
Hidden Treasure	D	589	"	95701

6-4-72

j. n. j.

PATENTED MINING CLAIMS - DEER TRAIL DEVELOPMENT CORP.

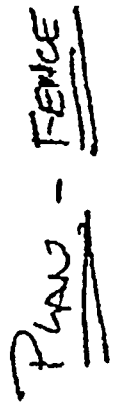
<u>Name</u>	<u>Recorded</u>	<u>Book</u>	<u>Page</u>
Cliff, #41	4/23/1892	102	423
Deer Trail #1, #6365A	3/3/1919	274	139
Deer Trail #2, #6365A	3/3/1919	274	139
Deer Trail #3, #6353A	3/3/1919	274	139
Deer Trail #4 Lode, 6396	3/3/1919	274	411
Deer Trail #5, #6403A	4/22/1919	275	31
Deer Trail #7, #6403A	4/22/1919	275	31
Deer Trail #8-9-10-20-38 #6736	2/5/1925	288	177
Deer Trail #30-33-34-35-36-37 #6717	8/29/1923	285	443
Deer Trail Fraction #37 #6720	9/23/1924	286	453
Deer Trail #42A (Pat "A" only)	4/23/1892	93	157
Deer Trail Mill Site 42B			
Dewitt & Ferguson #52A	5/11/1896	166	277
Dewitt & Ferguson Mill Site #52B			
Green Eyed Monster 43A (Pat "A" only)	4/23/1892	93	181
Monster Apex #5972	4/28/1910	259	495
Monster Apex #2, # 5972	4/28/1910	259	495
Pluto #46	6/2/1896	106	382
Sphinx #6397	6/20/1919	274	425
Deer Trail #1 Millsite 6365 B	3/3 /1919	274	139
Deer Trail #2 Millsite 6365 B	3/3 /1919	274	139
Deer Trail #3 Millsite 6365BB	3/3 /1919	274	139
Deer Trail #5 Millsite 6403 B	4/22/1919	275	31
Deer Trail #6 6403A	4/22/1919	275	31

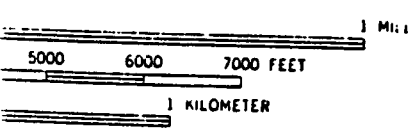
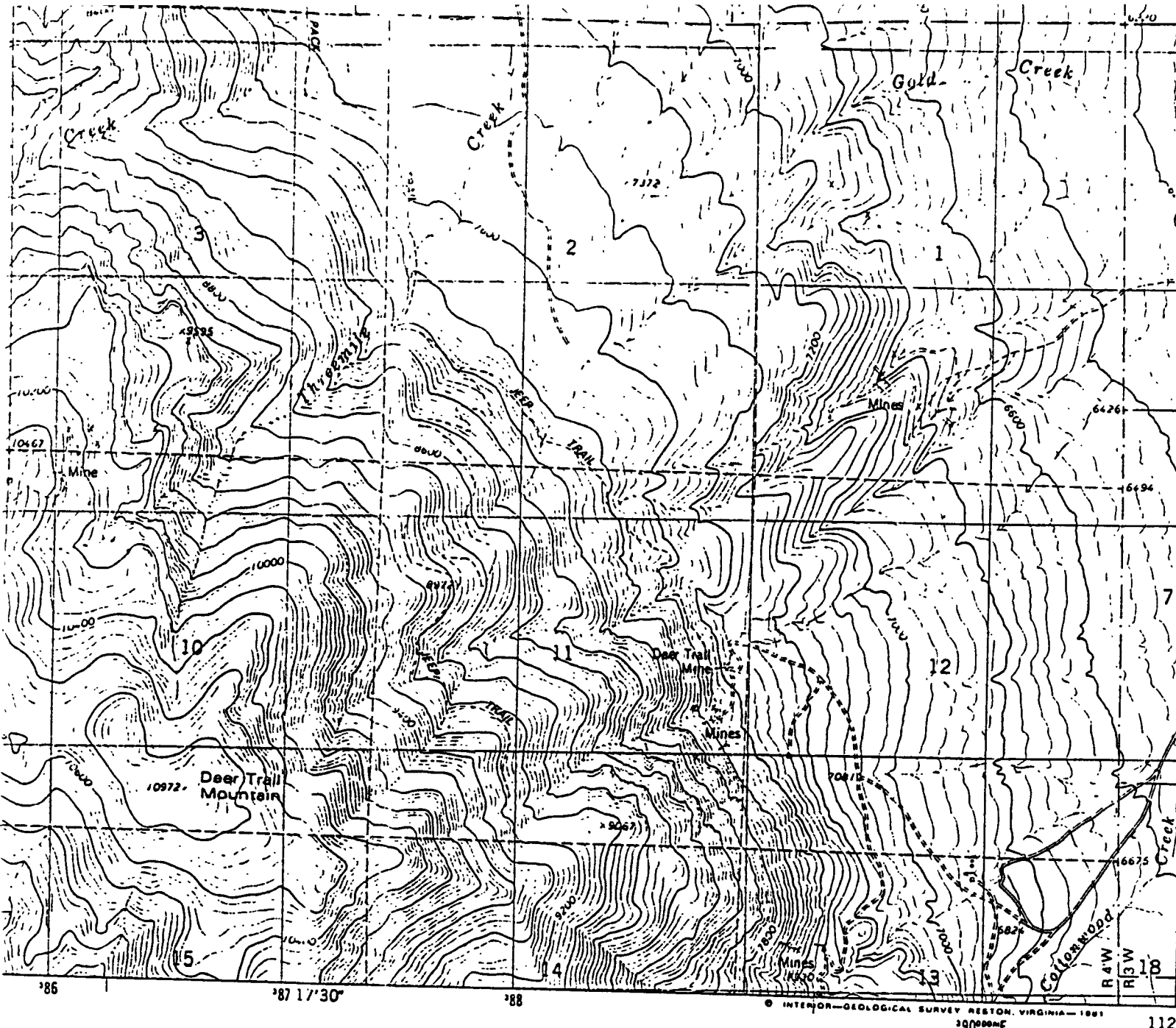
6-4-92

JWJ

27  
6  
PC  
FWS

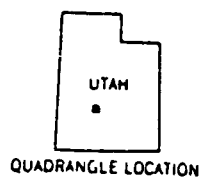
2





ET  
OF 1929

GRAPHIC STANDARDS  
80225, OR RESTON, VIRGINIA 22092  
IS AVAILABLE ON REQUEST



QUADRANGLE LOCATION

**ROAD CLASSIFICATION**

Primary highway, hard surface	Light-duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road

( ) Interstate Route    ( ) U S Route    ( ) State Route

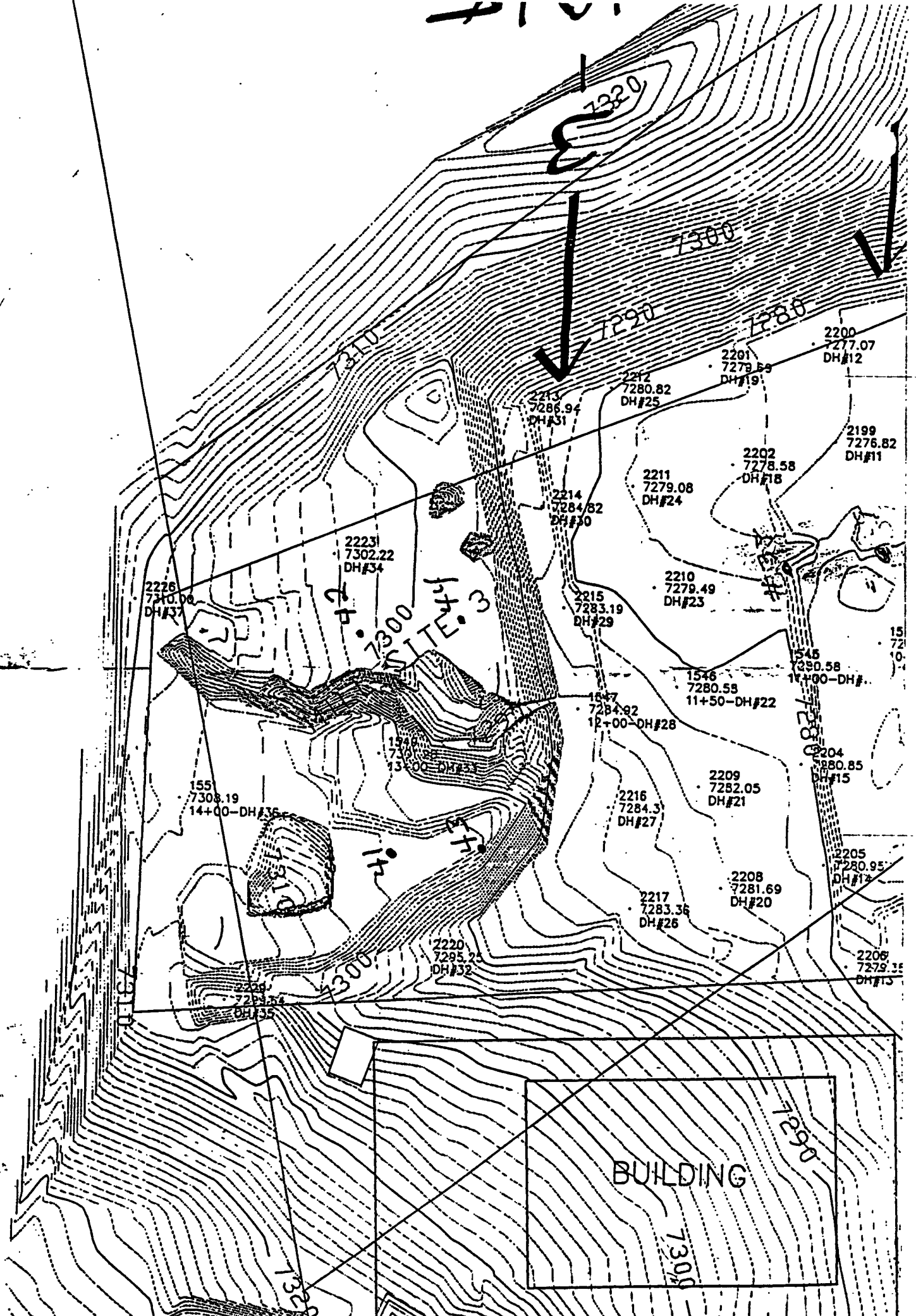
# MOUNT BRIGHAM, UTAH

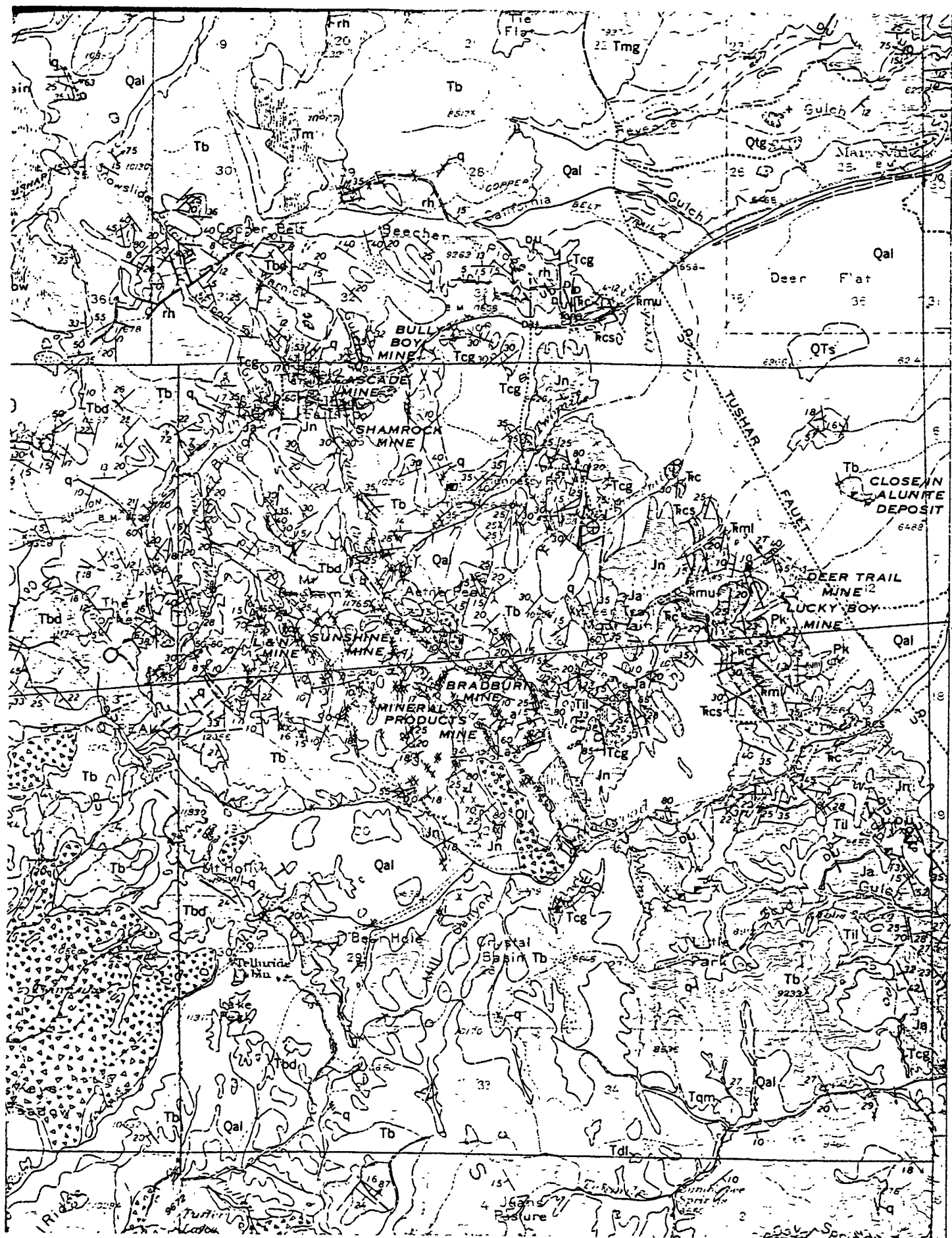
NE/4 DELANO PEAK 15' QUADRANGLE  
N3822.5-W11215/7.5

1980

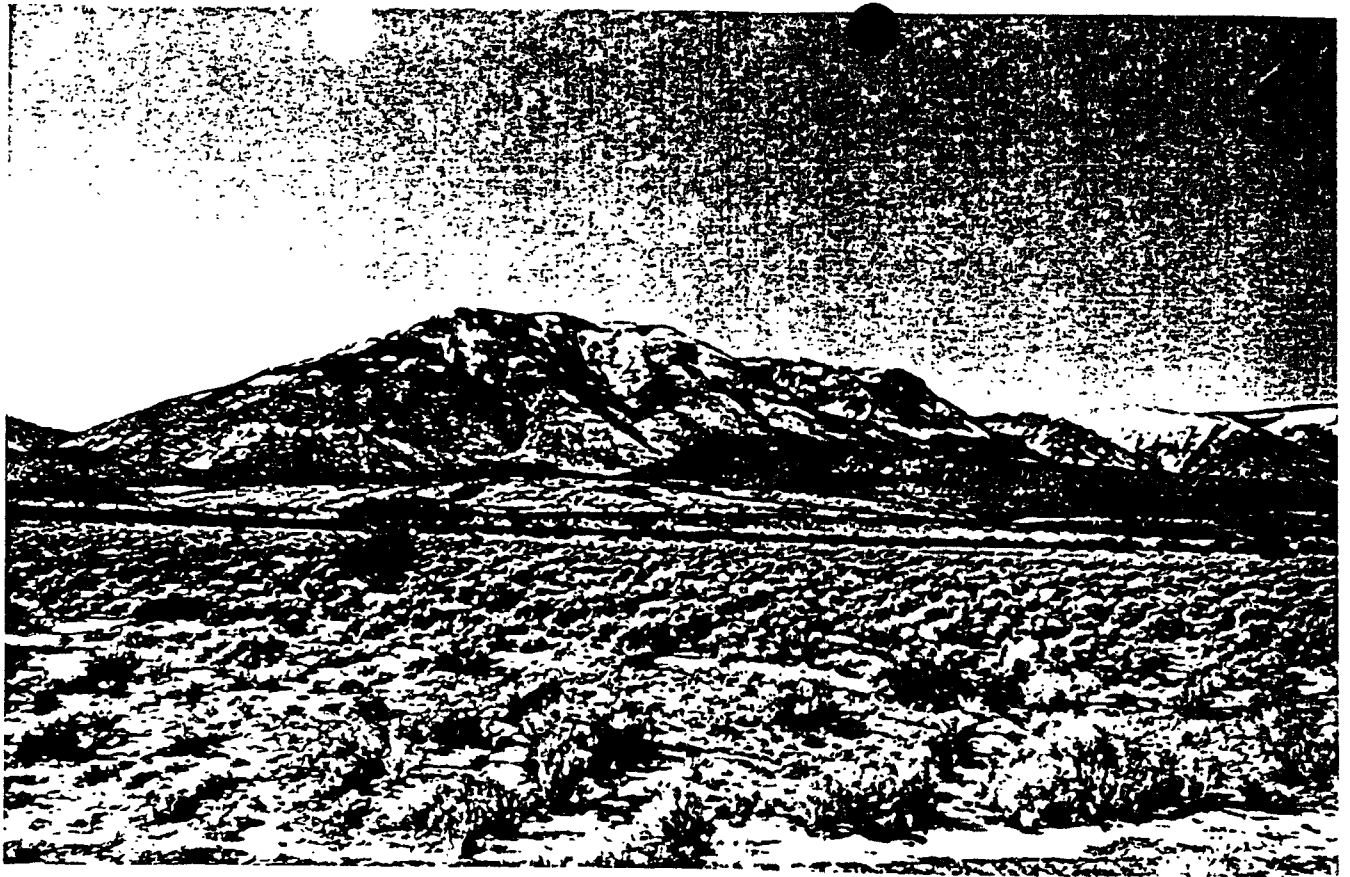
DMA 3560 IV NE-SERIES V697

MILL SITE 2





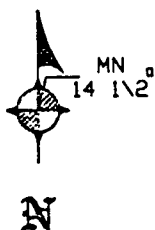
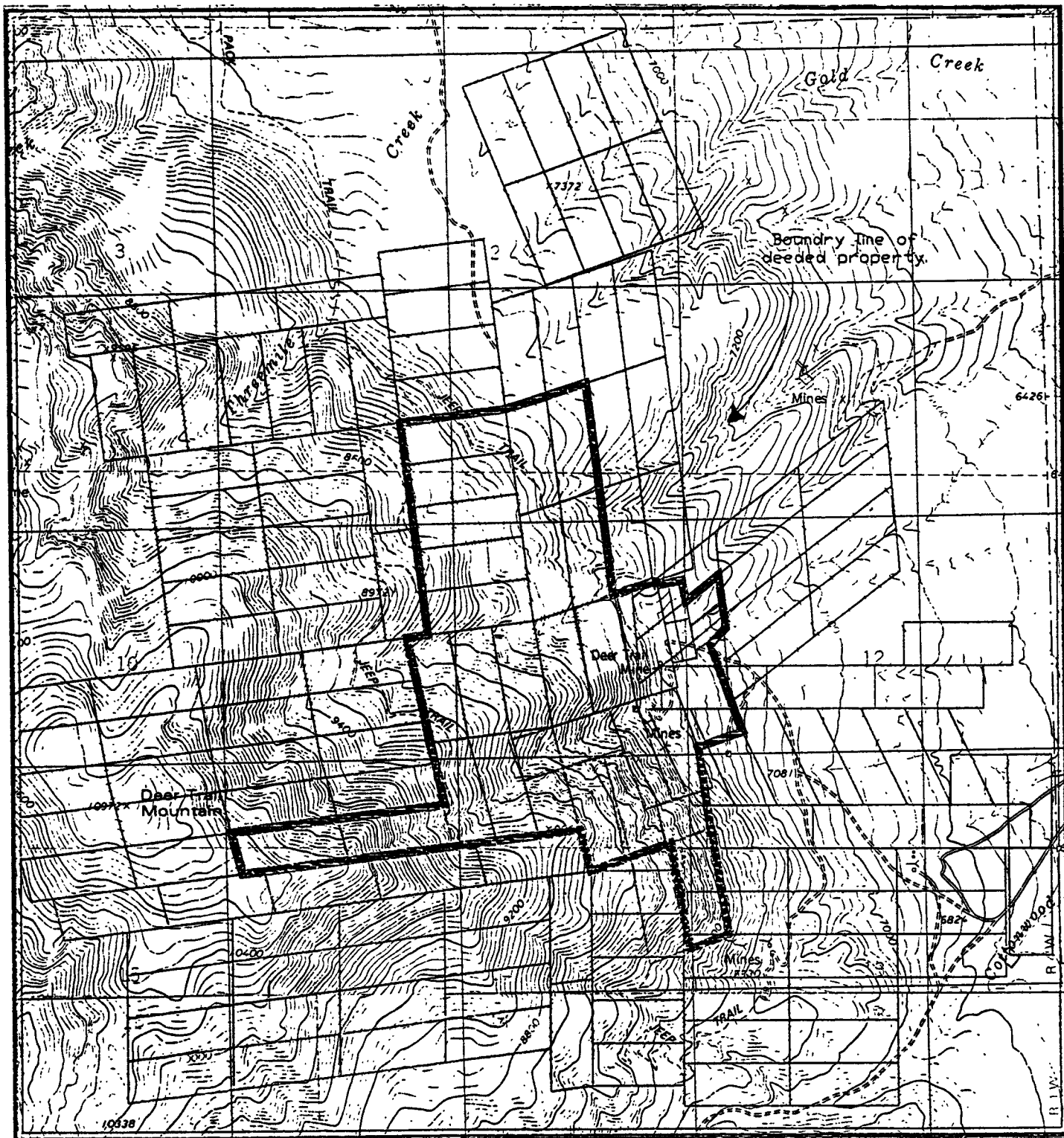
Geologic Map Deer Trail Mine after U.S.G.S.



Deer Trail Mountain from State Highway 5 mi. South of Marysville



P. T. H. Portal and Facilities



1000 0 1000 2000

SCALE 1:24000

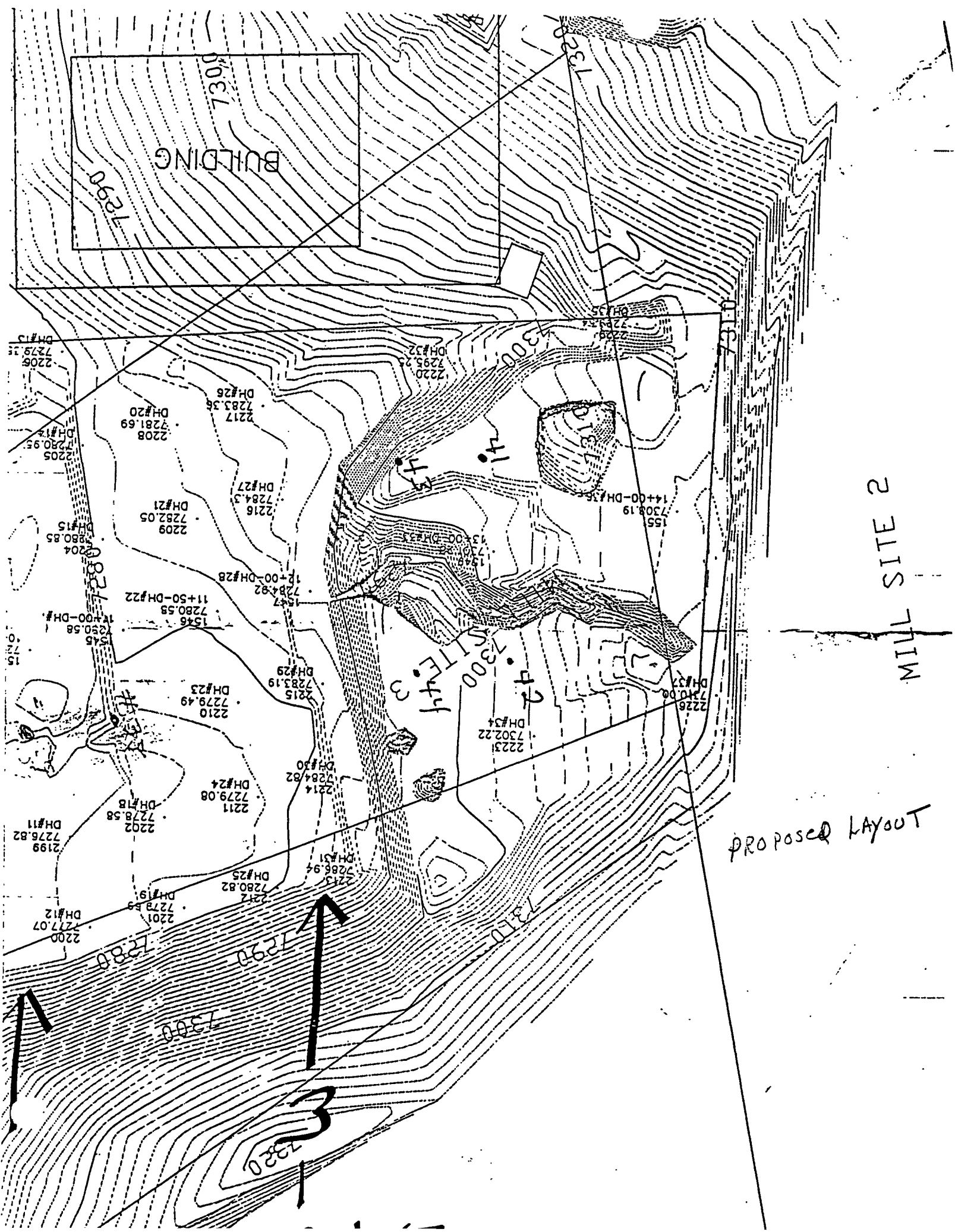
CONTOUR INTERVAL 40 FEET

## ECOLOGY MINING LTD.

Claim map, Deer Trail Mine  
Piute County, Utah  
December 1993

Information compiled by:  
John J. Oberbillig, R.P.G.

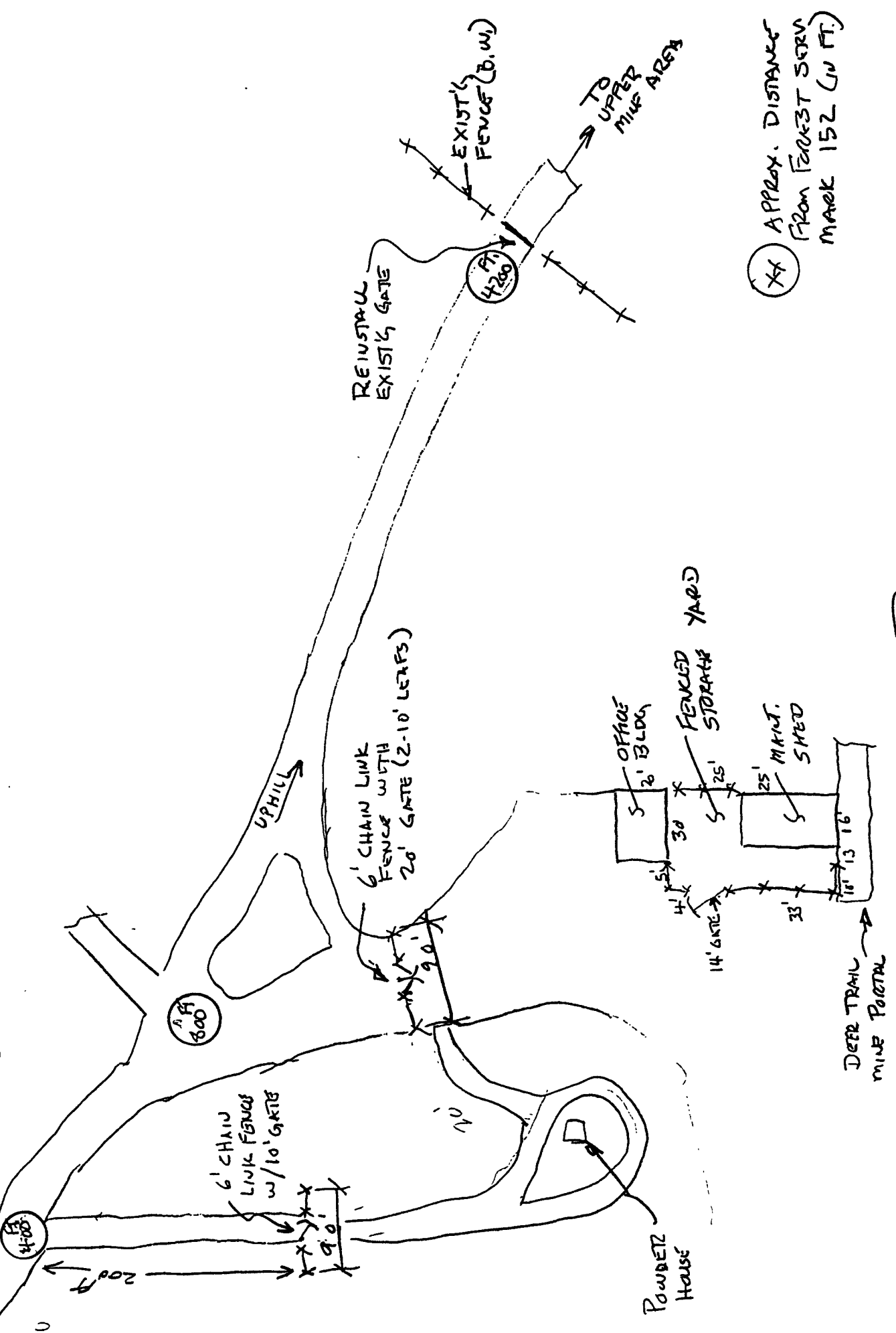
Prepared by:  
F. Lee Chandler



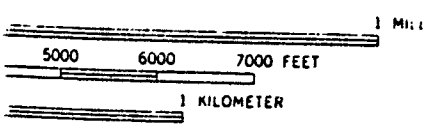
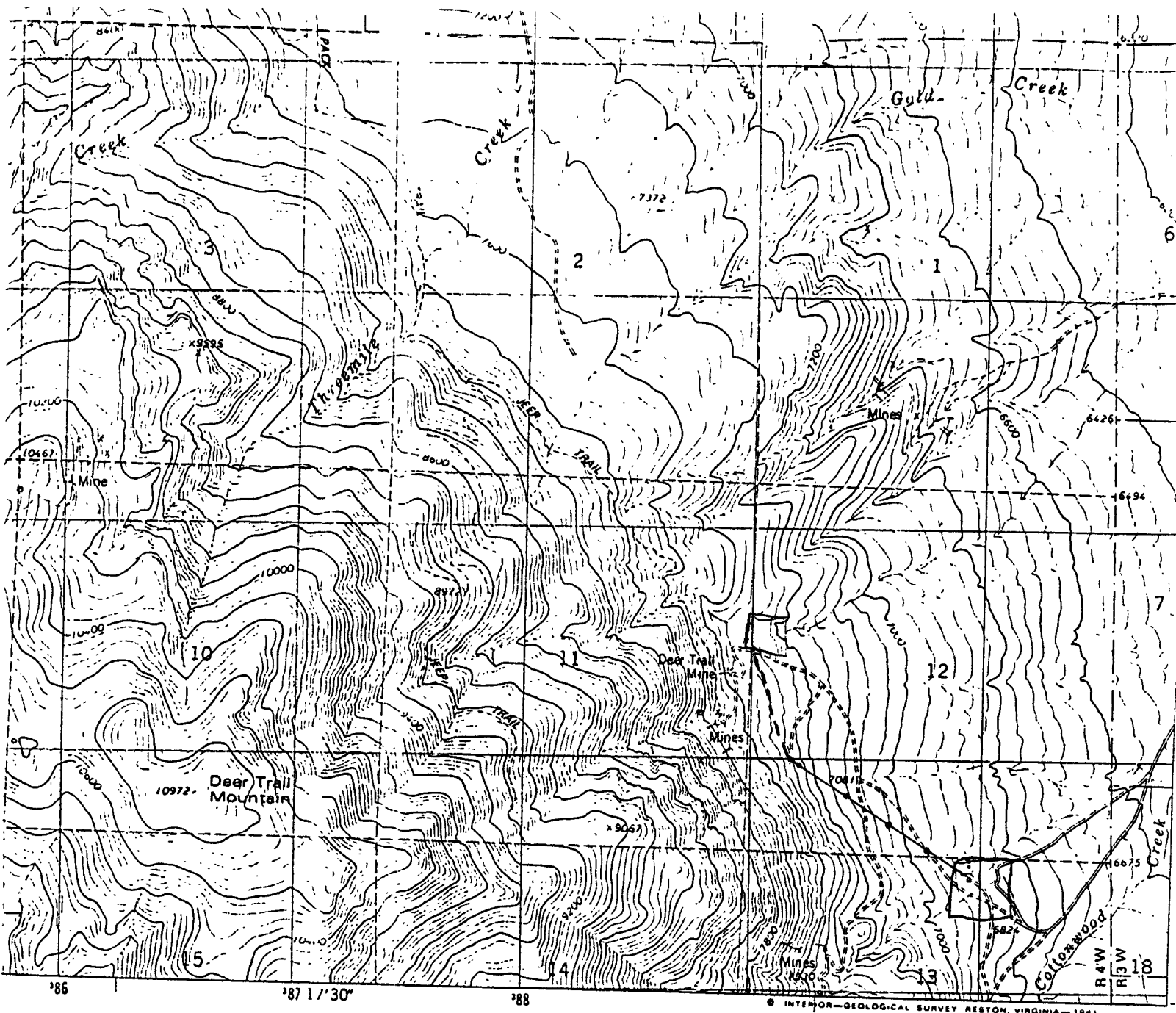
FOREST SERVICE MILE MARKER 152

#4

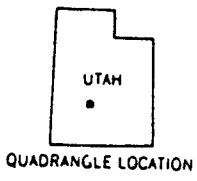
COUNTY ROAD



PLAN - FENCE



LET  
M OF 1929



QUADRANGLE LOCATION

IRACY STANDARDS  
J 80225, OR RESTON, VIRGINIA 22092  
S IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION	
Primary highway, hard surface	Light-duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road
Interstate Route	U S Route
	State Route

**MOUNT BRIGHAM, UTAH**  
NE/4 DELANO PEAK 15' QUADRANGLE  
N3822.5-W11215/7.5

1980

DMA 3560 IV NE-SERIES V697

--- represents present road line  
--- line represents the new proposed road line - phase 2



Present the R. 2010  
Also the R. 2010

K. is the end  
of the R. 2010  
Also the R. 2010

# UTAH

Scale: One inch approximately 17.4 miles

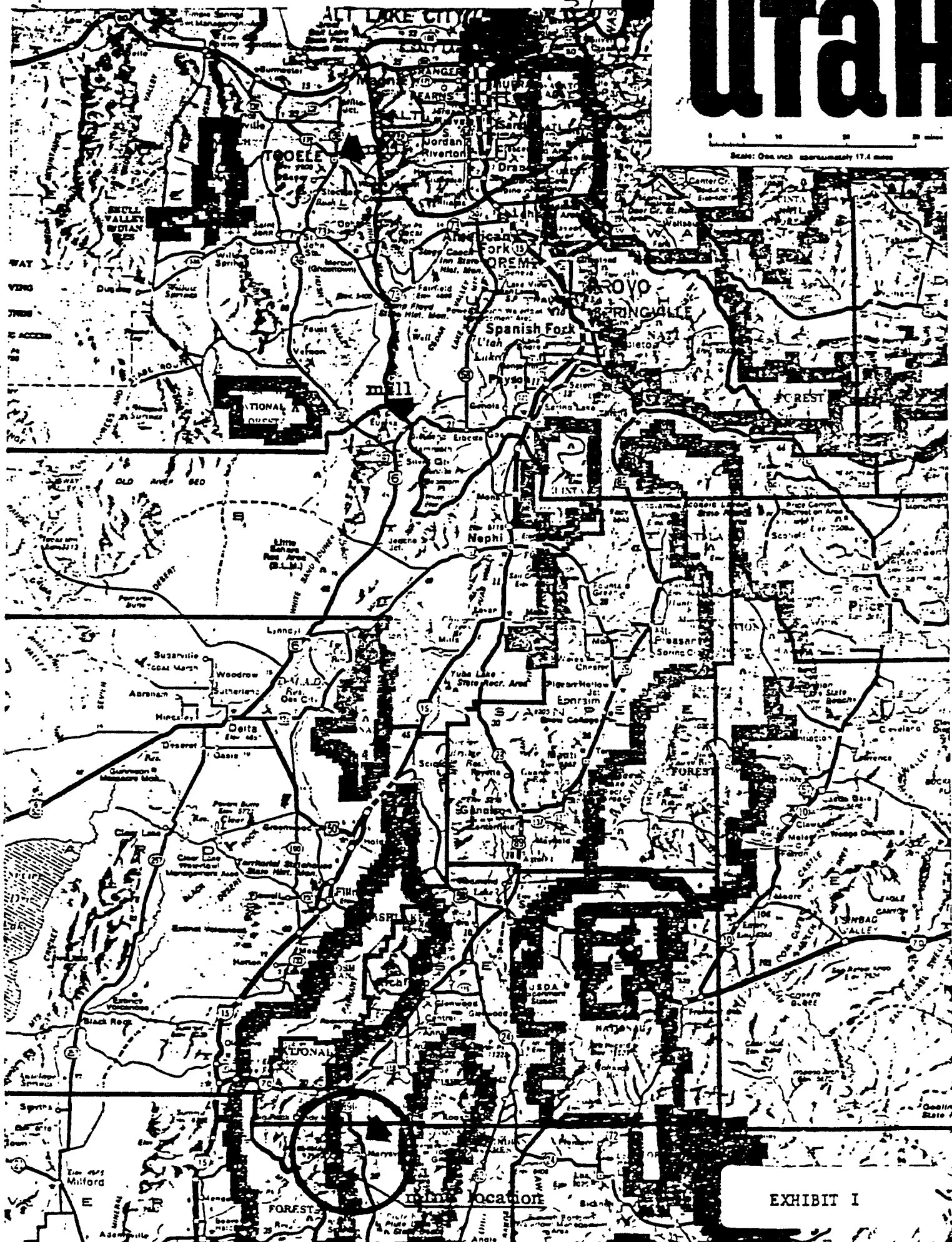
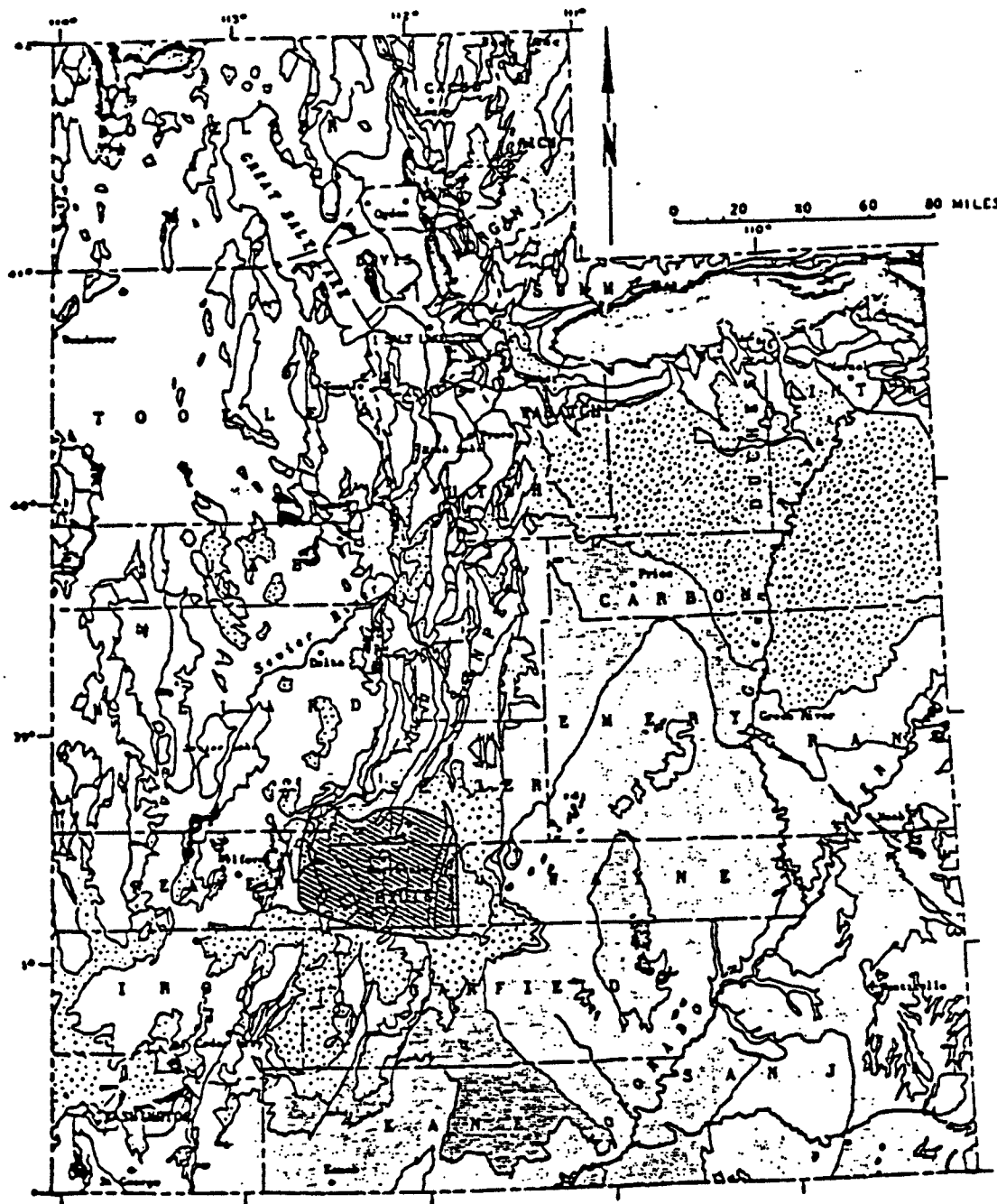












EXHIBIT I



### EXPLANATION

SEDIMENTARY ROCKS		IGNEOUS ROCKS	
	Quaternary Rocks		Extrusive Rocks
	Tertiary Rocks		Intrusive Rocks
	Cretaceous and Tertiary Rocks		
	Triassic and Jurassic Rocks		
	Mississippian through Permian Rocks		
	Cambrian through Devonian Rocks		
	Upper Precambrian Rocks		
	Lower and Middle Precambrian Rocks		

Stokes, W. L., et al. 1961, 1963, 1964. Geologic Map of Utah, NE1/4, SE1/4, NW1/4, SE1/4. University of Utah, Salt Lake City. Scale 1:250,000.

Anderson, D. A. and Hunt, C. B. 1948. Geologic Map of Eastern and Southern Utah. U. S. Geol. Survey Oil and Gas Inv. Prelim. Map 70. Scale 1:500,000.

Figure 11. Outline map showing location of Marysville region and distribution of major igneous and sedimentary units of Utah (modified Utah Geological and Mineralogical Survey Map 23).



Scale (feet)

0 500 1000 2000

AERIAL PHOTOGRAPH  
showing  
SOUTH FORK PROPERTY

EXHIBIT II

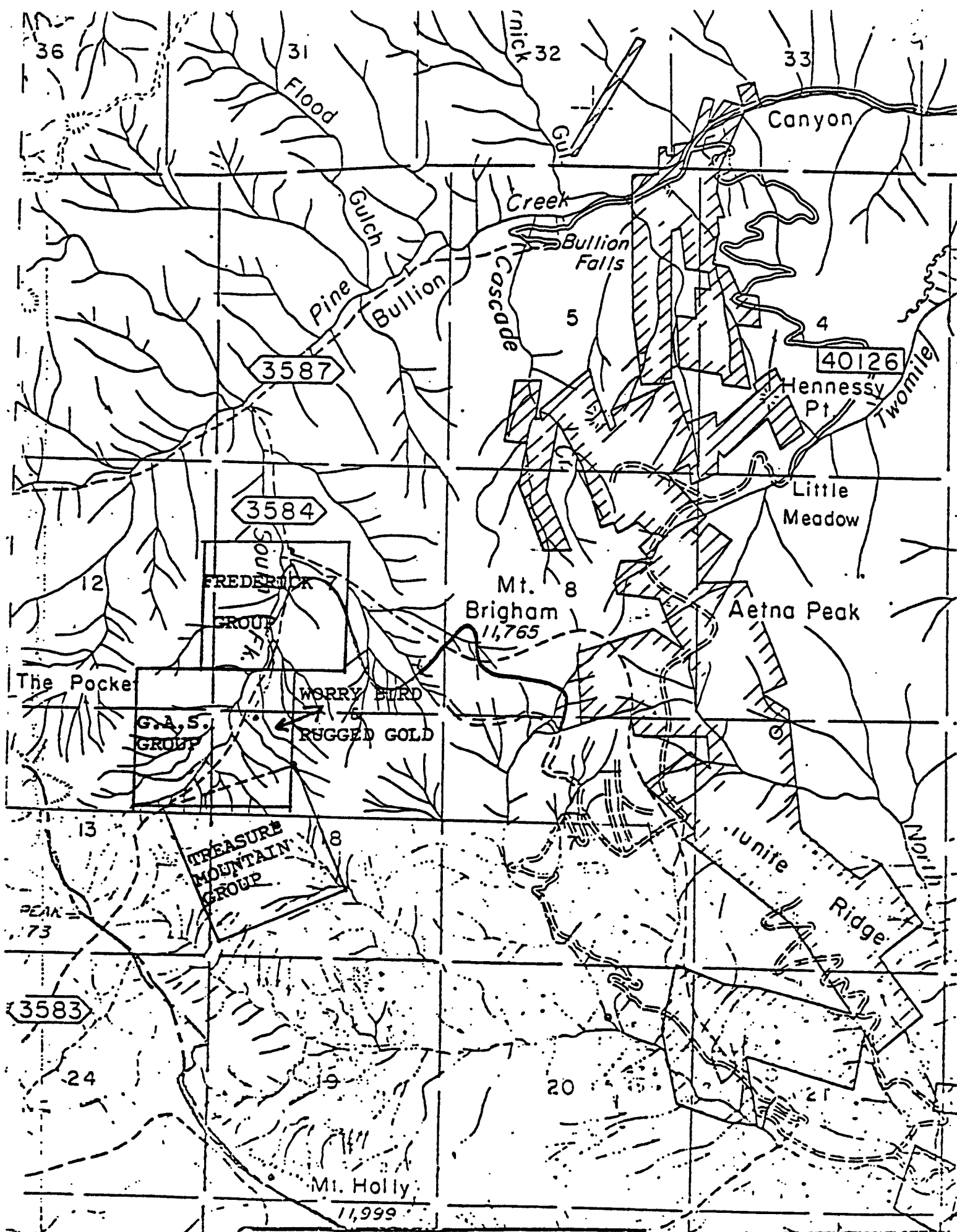


Figure 2  
(this report)

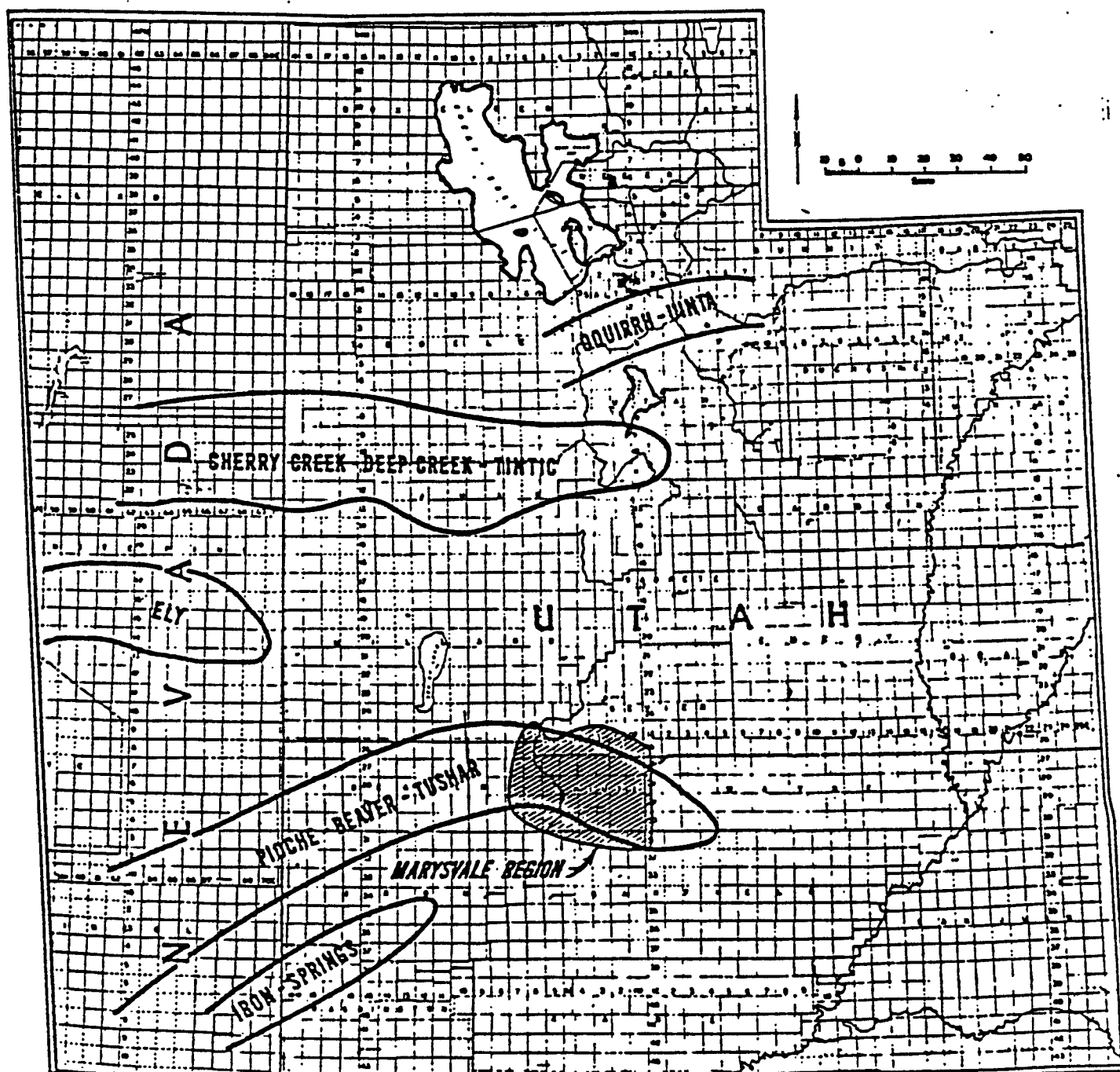
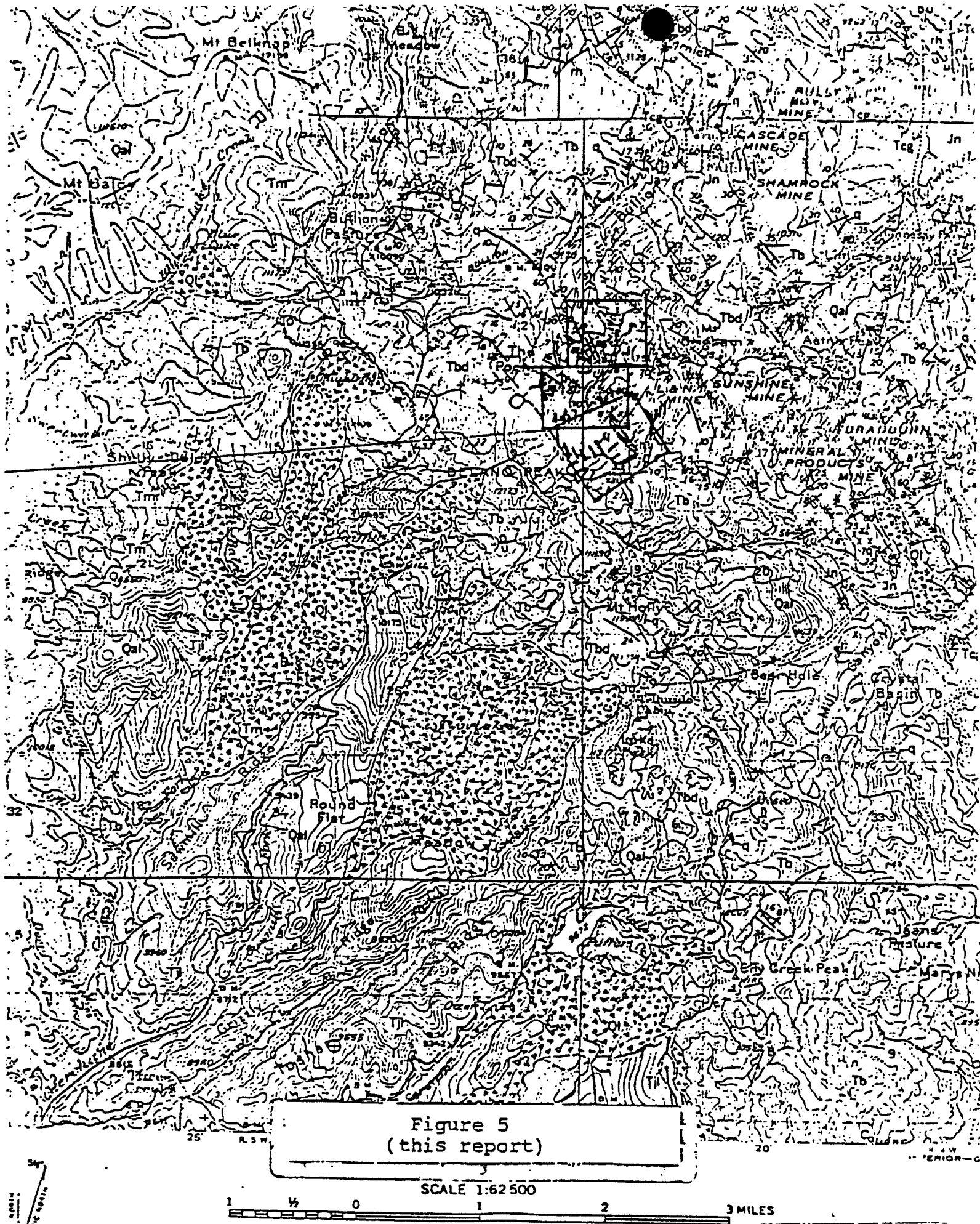
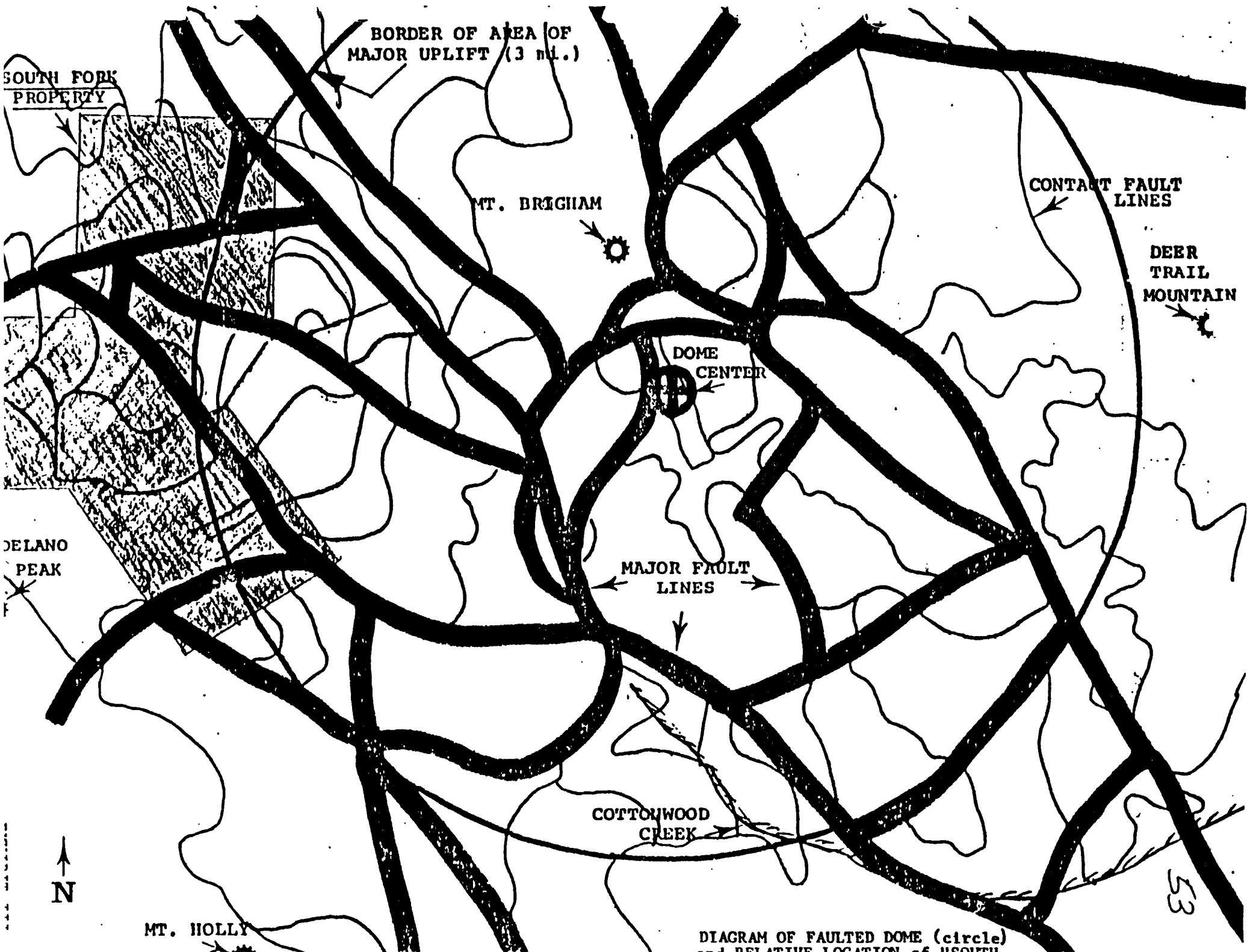


Figure 16. Index map of Utah and eastern Nevada showing mineral belts.

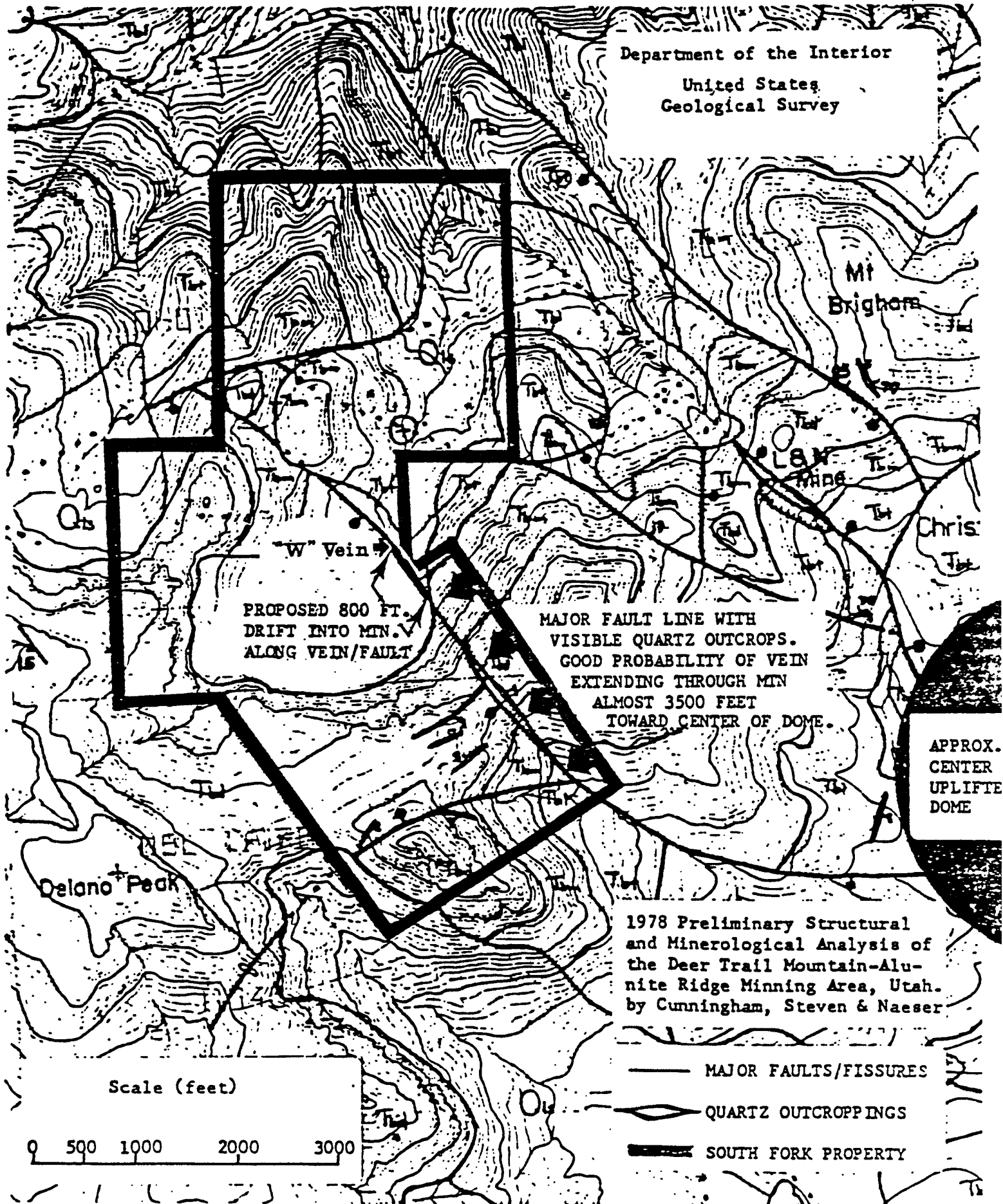
Figure 3  
(this report)



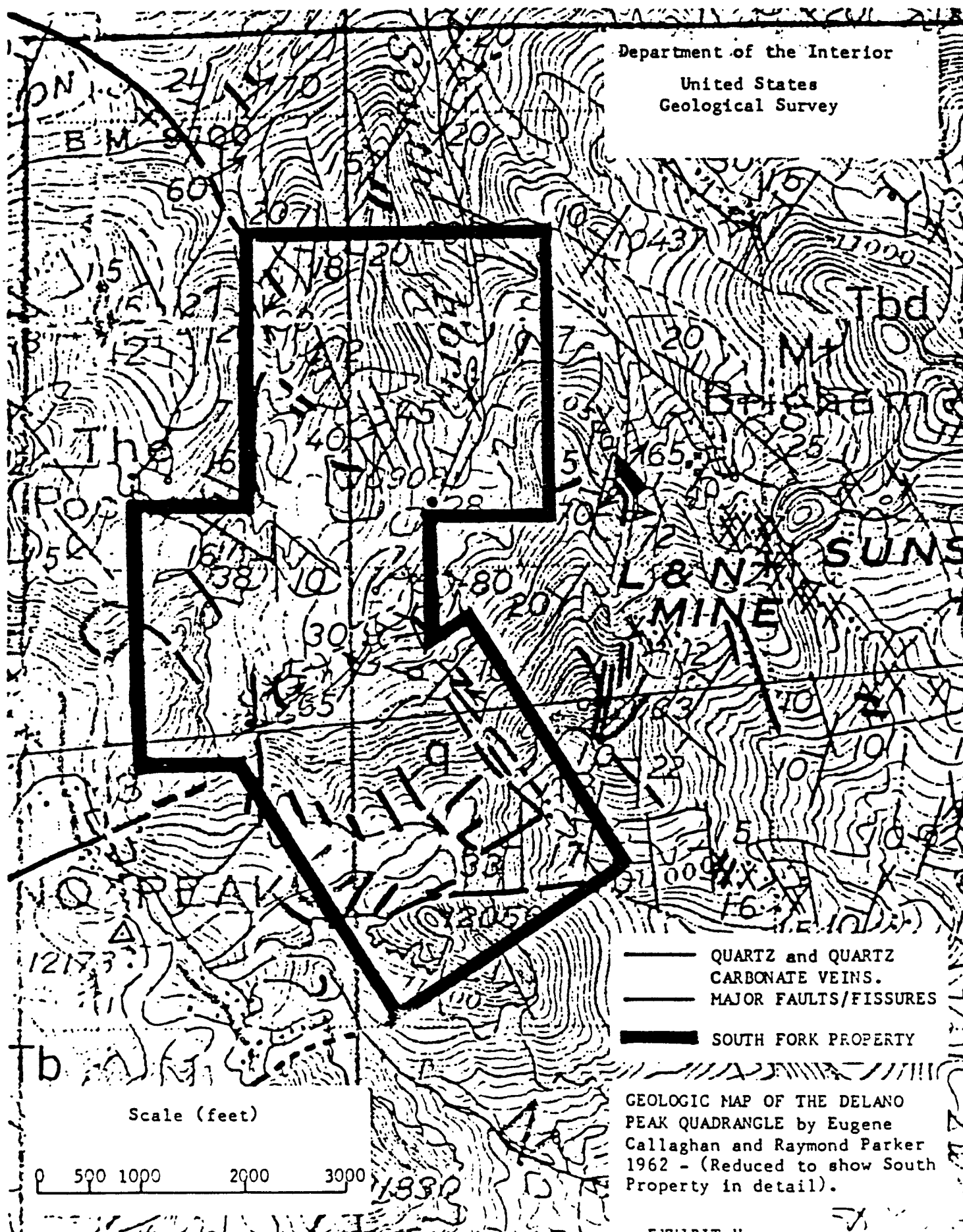


54

Department of the Interior  
United States  
Geological Survey



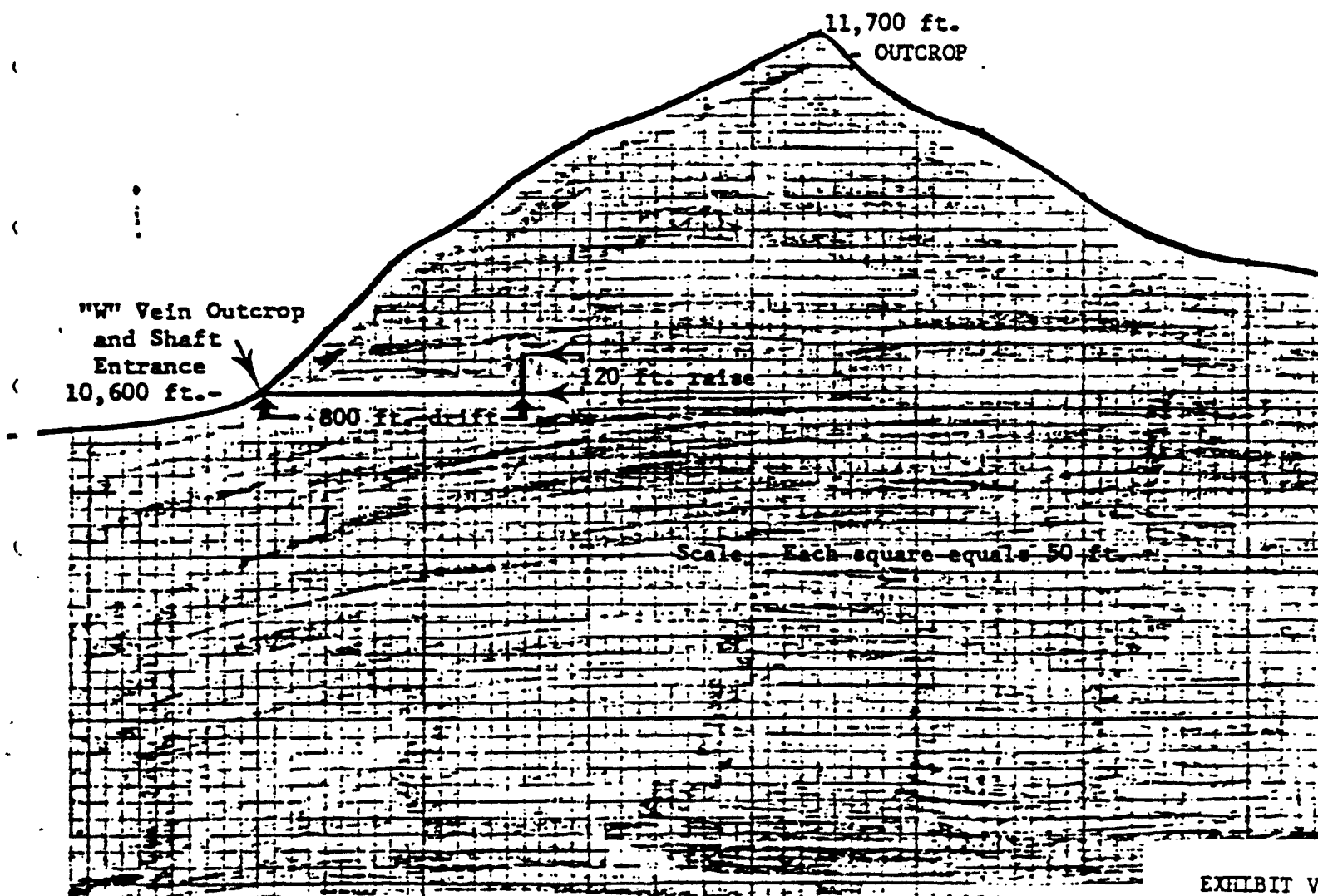
Department of the Interior

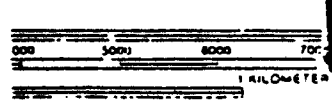
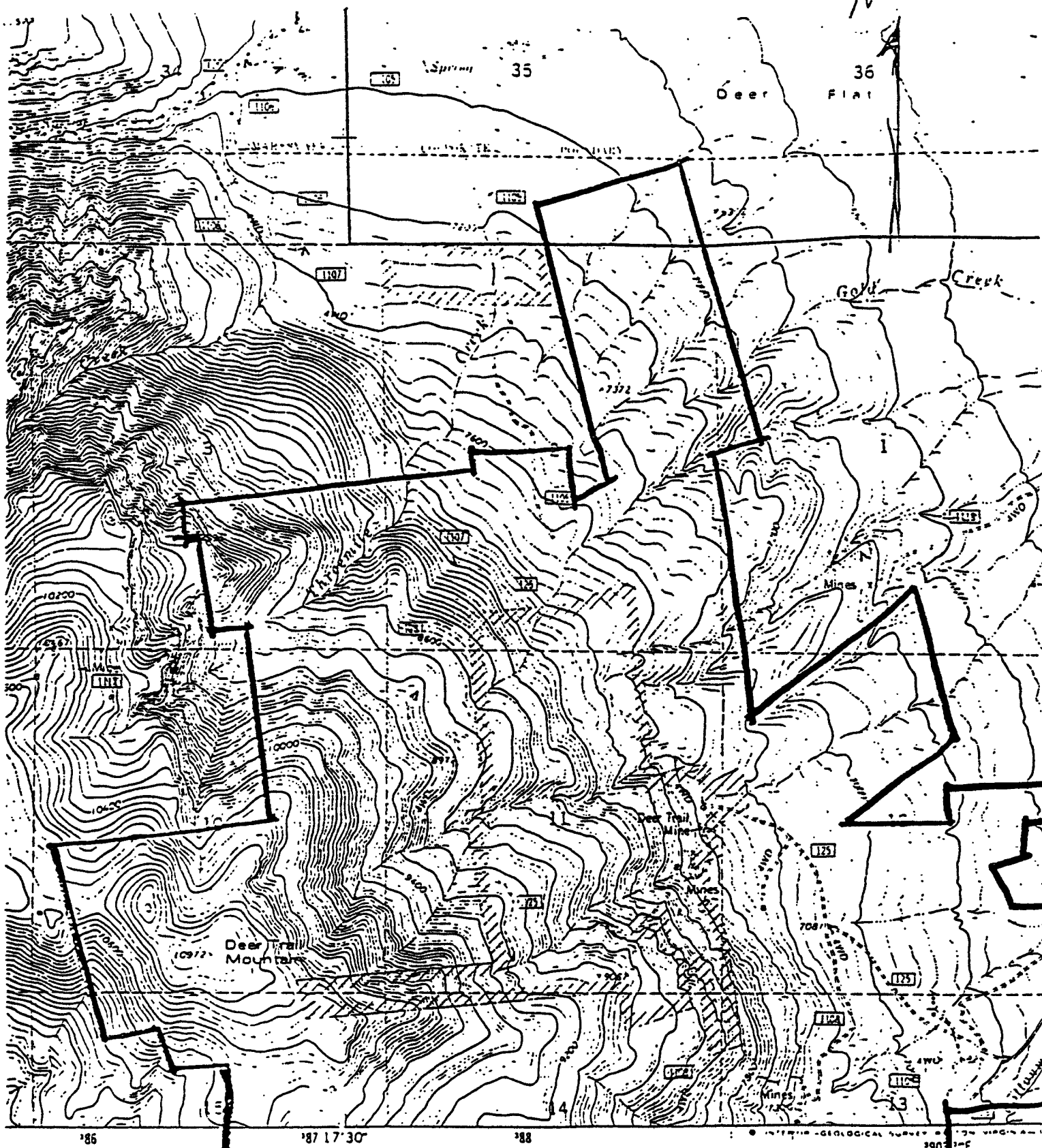
United States  
Geological Survey

- QUARTZ and QUARTZ CARBONATE VEINS.
- MAJOR FAULTS/FISSURES
- SOUTH FORK PROPERTY**

GEOLOGIC MAP OF THE DELANO  
PEAK QUADRANGLE by Eugene  
Callaghan and Raymond Parker  
1962 - (Reduced to show South  
Property in detail).

CROSS SECTIONAL VIEW OF  
"W" VEIN OUTCROP  
AND PROPOSED DRIFT INTO  
THE MOUNTAIN ALONG FAULT  
LINE.

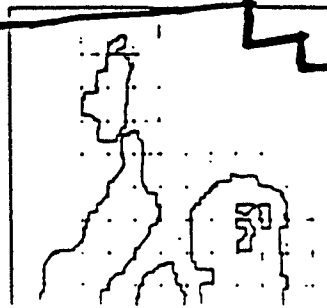




1 FEET  
ATM OF 1000

7 Highway  
2ary Highway  
ved Road paved

Interstate Highway  
U.S. Highway



MOUNT BRIGHAM

